

Vibration to electrical energy converter esp. to supply sensors and radio transmitters in waggons and containers

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Inventor: TIEMANN JEROME JOHNSON (US)
Applicant: GEN ELECTRIC (US)

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- european: B61D43/00; G08G1/127; H02J7/14; H02K35/00

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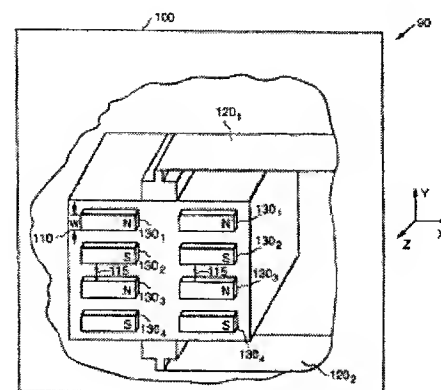
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US5578877 (A1)
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Abstract of DE19520521

A vibration-electrical energy converter has a housing (100) with parallel side walls (103 1, 103 2) containing a magnet carrier (110) with parallel side walls (110 1, 110 2). Springs (120 1, 120 2) hold the carrier in the housing and allow movement of the carrier w.r.t. the housing along the axis of vibration. Magnets (130 1 - 130 4) are attached to the outside of the carrier walls and coils (132 1 - 132 4, 134 1 - 134 4) are attached to the inside of the housing walls. The coils produce an electrical current as a result of the variations in magnetic flux when the carrier moves w.r.t. the housing along the axis of vibration.



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